

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Original): A lens sheet comprising a lens portion with a plurality of lens elements arranged in at least one side and a shielding layer provided in a non-transmitting portion of a light radiation plane, wherein the shielding layer is provided on a layer made of a cured photo-curing composition (A), wherein the photo-curing composition (A) is composed of 100 weight parts of photo-curing resin composition (a) having a surface free energy of 30mN/m or more and 0.01 to 10 weight parts of compound (b) having a surface free energy of 25mN/m or less.

Claim 2 (Original): A lens sheet comprising a lens portion with a plurality of lens elements arranged in at least one side and a shielding layer provided in a non-transmitting portion of a light radiation plane, wherein the shielding layer is provided on a layer made of a cured photo-curing composition (A), wherein a light-transmitting portion in the layer of the photo-curing composition (A) has a surface free energy of 25mN/m or less.

Claim 3 (Currently Amended): The lens sheet according to claim 1 ~~or~~ 2, wherein the lens portion is a group of convex cylindrical lenses one-dimensionally arrayed on a light incidence plane.

Claim 4 (Currently Amended): The lens sheet according to claim 1 ~~or~~ 2, wherein the lens portion is a group of convex lenses two-dimensionally arrayed on a light incidence plane.

Claim 5 (Currently Amended): The lens sheet according to claim 1 ~~or~~ 2, wherein the lens portion is a fresnel lens constituted of fresnel lens faces and rising faces, wherein the fresnel lens faces are obtained by dividing the light radiation plane into the shape of a number of concentric circles and the rising faces each define boundaries of the fresnel lens faces.

Claim 6 (Original): A method of producing a lens sheet which includes a lens portion with a plurality of lens elements arranged in at least one side and a shielding layer provided in a non-transmitting portion of a light radiation plane, the method comprising the following steps of:

coating photo-curing composition (A) on a light radiation plane of the lens sheet to form a layer made of the photo-curing composition (A), the photo-curing composition (A) being composed of 100 weight parts of photo-curing resin composition (a) having a surface free energy of 30mN/m or more and 0.01 to 10 weight parts of compound (b) having a surface free energy of 25mN/m or less;

radiating light from the side opposite to the layer of the photo-curing composition (A) to selectively cure a light transmitting portion of the layer of the photo-curing composition (A) with the layer of the photo-curing composition (A) being contacted with a medium having free energy lower than that of the compound (b); and

painting colored pigment on the layer of the photo-curing composition (A) to form a shielding layer in a non-transmitting portion of light.

Claim 7 (Original): The method of producing a lens sheet according to claim 6, wherein said step of forming a shielding layer comprising the steps of:

painting the colored pigment; and

drying the colored pigment after a time period lapses as much as the colored pigment painted on the light transmitting portion is repelled to completely expose the layer of the photo-curing composition (A) in the light transmitting portion.

Claim 8 (Original): The method of producing a lens sheet according to claim 6, wherein said step of forming a shielding layer comprising the steps of:

painting the colored pigment;
drying the colored pigment; and
removing the colored pigment on the light transmitting portion.

Claim 9 (Currently Amended): The method of producing a lens sheet according to claim 6, ~~wherein the~~ wherein said step of forming a shielding layer comprising the steps of:

painting photo-curing colored pigment on a peelable sheet;
attaching a layer of the photo-curing colored pigment and the layer of the photo-curing composition (A) to each other; and
radiating light from the side opposite to the layer of the photo-curing colored pigment and the photo-curing composites (A) to selectively cure a light transmitting portion of the photo-curing colored pigment; and peeling the peelable sheet from the lens sheet.

Claim 10 (Original): The method of producing a lens sheet according to claim 6, further comprising the step of: radiating light from the side opposite to the layer of the photo-curing composition (A) to cure an uncured portion of the layer of the photo-curing composition (A) with the layer of the photo-curing composition (A) being contacted with a medium having free energy higher than that of the photo-curing resin composition (a) between said step of radiating light from the side opposite to the layer of the photo-curing

composition (A) to selectively cure a light-transmitting portion of that layer and said step of forming a shielding layer.

Claim 11 (Currently Amended): The method of producing a lens sheet according to ~~one of the preceding claims 6 to 10~~ claim 6, wherein the medium having a surface free energy lower than that of the compound (b) is the air.

Claim 12 (Original): The method of producing a lens sheet according to claim 10, wherein the medium having a surface free energy higher than that of the photo-curing resin composition (a) is water.

Claim 13 (Currently Amended): The method of producing a lens sheet according to ~~one of the preceding claims 6 to 12~~ claim 6, wherein the light radiated from the side opposite to the layer of the photo-curing composition (A) propagates substantially in a parallel direction.

Claim 14 (Currently Amended): The method of producing a lens sheet according to ~~one of the preceding claims 6 to 12~~ claim 6, wherein the lens sheet is used for a projection screen for an image display device which displays an image by projecting light from rearward, and the light radiated from the side opposite to the layer of the photo-curing composition (A) propagates substantially in the same direction as that of the projection light of the image.

Claim 15 (New): The lens sheet according to claim 2, wherein the lens portion is a group of convex cylindrical lenses one-dimensionally arrayed on a light incidence plane.

Claim 16 (New): The lens sheet according to claim 2, wherein the lens portion is a group of convex lenses two-dimensionally arrayed on a light incidence plane.

Claim 17 (New): The lens sheet according to claim 2, wherein the lens portion is a fresnel lens constituted of fresnel lens faces and rising faces, wherein the fresnel lens faces are obtained by dividing the light radiation plane into the shape of a number of concentric circles and the rising faces each define boundaries of the fresnel lens faces.

BASIS FOR THE AMENDMENT

Claims 1-17 are active in the present application. The claims have been amended to remove multiple dependencies. Claims 15-17 are new claims. Support for the new claims is found in the original claims.

This application is a Continuation application of U.S. Serial No. 10/167,574, filed on June 13, 2002, now allowed.

No new matter is added.

An action on the merits and allowance of claims is solicited.

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